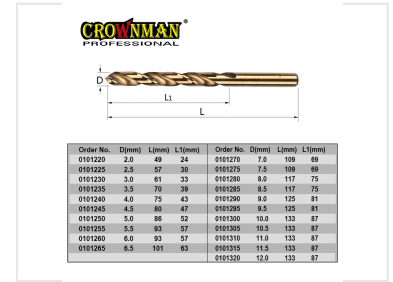


# Cobalt Steel Twist Drill Bit

This cobalt steel twist drill bit is manufactured from M35 cobalt steel for heat resistance and durability. The 135° Quick-Cut points are self-centering, allowing for accurate penetration without walking.



## ADDITIONAL IMAGES



## Overview

### Professional M35 Cobalt Steel Drill Bits

These premium twist drill bits are manufactured from M35 cobalt steel, creating a hardened alloy with a Rockwell hardness of up to 67 HRC. Designed for extreme heat resistance and high-speed cutting, they offer up to twelve times the lifespan of standard HSS bits. The 135° split-point design ensures self-centering accuracy and rapid penetration into hard metals without walking or wandering.

## Material & Durability

### Hardness Rating

**67 HRC**

Max Rockwell Hardness

### Material Composition

M35 Cobalt Steel, 5% Cobalt (Co5%), Molybdenum Alloy

## Technical Standards

### Manufacturing Standards

DIN 338

## Design Features



Engineered with a 135° split point for self-centering and optimized grooves for efficient chip evacuation.

### Performance Features

- Self-centering split point
- Efficient chip removal groove design
- Extreme heat resistance
- Full automatic grinding for high accuracy

### Point Geometry

135° Split-Point (Quick-Cut)

### Shank Type

Full Ground Straight Shank

## Applications



Versatile performance across a wide range of hard and soft metals.



Suitable for use with both portable handheld drills and stationary industrial drilling equipment.

### Compatible Machinery

- Li-ion Drilling Machines
- Handle Drilling Machines
- Impact Drilling Machines
- Table Drilling Machines
- Magnetic Drilling Machines

### Compatible Materials

Stainless Steel, Cast Iron, Titanium Alloy, Mould Steel, Copper, Zinc Coated Pipe, Iron

## Size Specifications

### Available Sizes & Dimensions

Diameter (D)	Overall Length (L)	Flute Length (L1)
2	49	24
3	61	33
4	75	43
5	86	52
6	93	57
7	109	69
8	117	75
9	125	81
10	133	87
12	133	87

## Performance Benchmarks



M35 cobalt steel provides significantly higher hole-count capacity compared to standard HSS materials.

### M35 vs M2 Performance

In testing on 20mm thick stainless steel plates, the M35 cobalt drill bit successfully completed approximately 50 holes, doubling the performance of standard M2 bits which averaged 25 holes under identical conditions.